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KONDRAT YEV, V.TI	
ROSENTSVEYG, L.N.; LITSHITS, I.N.; LEYKIN, G.A.; KONDRAT'YEV, V.N.	\$**I
Nobel prises for 1954 in the fields of physics and chemistry. Priroda 44 no.12:37-41 D 155. (MIRA 9:1)	9
1.Chlen-korrespondent AM USSR (for Lifshits) (Nobel prises) (Physicists) (Chemists)	
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KONDRATIVE Viktor Bikolayevich, akademik; KIPNIS,S.Ye., redaktor;

ISLECT INVA,P.G., tekhnicheskiy redaktor

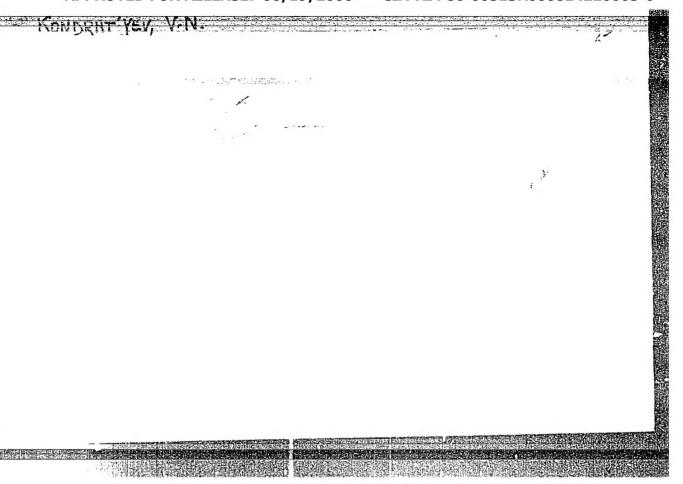
[Scientific results of the International Conference on the Peaceful Use of Atomic Energy; Geneva, August 8-20, 1955.]

Hauchnye itogi Meshdunarodnoi konferentsii po mirrasu ispelsovaniu atomoi energii; Zheneva, 8-20 avgusta 1955 g. Moskva sovaniu atomoi energii; Zheneva, 8-20 avgusta 1955 g. Moskva Isd-vo "Zhanie," 1956. 31 p. (Vsesoiusnoe obshchestvo po rasprostraneniu politicheskikh i nauchnykh snanii. Ser.3, no.4)

(Atomic energy research)

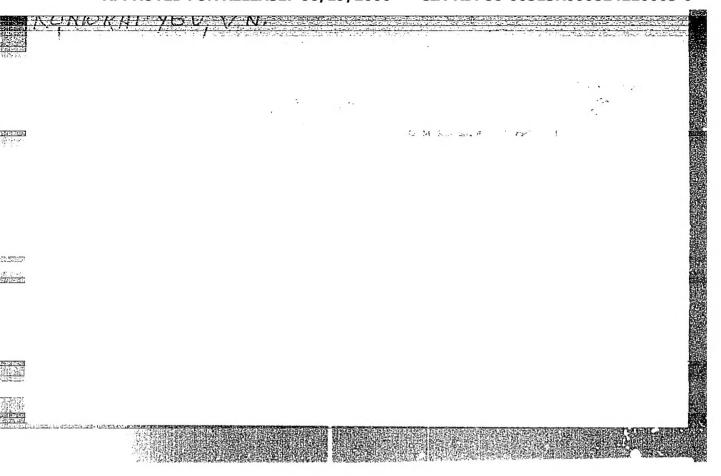
(MIRA 9:2)

KONDRAT'YHV. V.N. Survey on the history of the development of chemical reaction kinetics. Vop.ist.est.i tekh. no.2:9-49 156. (MIRA 1 (Chemical reactions, Rate of) (MIRA 10:1)



Methods of developing the theory of a chemical prosess (homogeneous reaction). Vest.AM SSSR 26 no.5:9-21 My '56. (MLRA 9:8)

(Chemical reactions)



KONDRAT YEV, V.N.

AUTHOR:

Kondrat'yev, V. N. (Moscow)

74-11-5/7

TITLE:

The Development of Chemical Physics in the USSR Since 40 Years (Razvitiye khimicheskoy fiziki v SSSR za 40 let).

PERIODICAL:

Uspekhi Khimii, 1957, Vol. 26, Nr 11, pp. 1310-1319 (USSR)

ABSTRACT:

Towards the end of the years about 1920, a new science developed - something between chemistry and physics - the socalledchemical physics. The electron theory and the quantum theory appeared as theoretical basis of this science. The investigations of Semyenov and his students enjoyed to lay the foundations of this young Soviet science. The investigations referred to the field of chain reactions. According to Semyenov each inflammation sets always in when the probability of an increase of the active molecules, or of the branching of the chain, prevails over the probability of the destruction of the active molecules with respect to their deactivity. Neyman and Koval'skiy elaborated this theory and completed it. The rules governing the chain theory, from the chemical point of view, were explained by Kondratyev and his students, on the strength of methods which permitted to study the atoms and radicals in course of

Card 1/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0"

AUTHOR: TITLE: KCNDRAT'YEV, V.N.

Celebrations on the Occasion of the Awarding of the Nobel Prize in 1956.

(Na torzhyestvakh posvyashchyennykj bruchyeniyu Nobelevskikh pryemiy

PERIODICAL:

1956 goda, Russian)
Vestnik Akademii Nauk SSSR, 1957, Vol 27, Nr 3, pp 90-94 (U.S.S.R.)
Reviewed: 7 / 1957

ABSTRACT:

The awarding of the Nobel Prize to the Soviet scientist N.S.SYEMYEMOV is described as a "Day of Honor for Soviet Science". The article gives a short survey of the history of the Nobel Prize and enumerates all those to whom the Nobel prize has hitherto been awarded. Two new names were added to this honorable list in 1956: N.N.SYNORMOV and S.N. HINSHELMOOD, who were jointly awarded the Nobel Prize for research work in the field of chemical reaction mechanism. The article tells of the activities of N.N.SYEMYNOV and also mentions the achievements of the president of the British Royal Society, Sir S.N. HINSHELMOOD. The fact is stressed that the two scientists have such in common with respect to their ideas and methods, and that they have been friends for many years. They keep up regular correspondence on scientific matters and met in 1945 when HINSHELWOOD took part in the celebrations on the occasion of the 220 year's jubilee of the Academy of Science of the USSR in Moscow, and they also met at Stockholm when the Nobel Prise was awarded to them jointly. This fact is appreciated

KONDRATYEV, V. N.

(Institute of Chemical Physics, USSR Academy of Sciences, Moscow)

"Reactions of Some Radicals and Their Concentration in Flames."

paper submitted at The Seventh Intl. Symposium on Combustion - London and Oxford, England, 28 Aug - 3 Sep '58.

c - 3,800,830 , 25 July 1958.

VINOGRADOV, A.P., akademik, red.; KONDRAT'YEV, V.N., akademik, red.; ALIMARIN, I.P., red.; BAKH, W.A., doktor khim. nauk, red.; NIKOLAYEV, A.V., red.; NEKRASOVA, G.A., kand. khim. nauk, red. MAKUNI, Ye.V., tekhn. red.

[Isotopes and radiation in chemistry; papers at a conference]
Izotopy i izlucheniia v khimii; trudy konferentsii. Moskva,
Izd-vo Akad. nauk SSSR, 1958. 380 p. (MIRA 11:8)

1. Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya po primeneniyu radioaktivnykh i stabil nykh izotopov i izlucheniy v narodnom kho-zyaystve i nauke. 2d, Moscow, 1957. 2. Chlen-korrespondent Akademii nauk SSSR (for Alimarin).

(Isotopes) (Radiation)

VINOGRADOV, A.P., akademik, otv. red.; KONDRATIYEV, V.N., akademik, red.; ALIMARIN, I.P., red.; BAKH, N.A., doktor khim. nauk, red.; NEKRASOVA, G.A., kand. khim. nauk, red.

[Isotopes and radiation in chemistry; transactions] Izotopy i izlucheniia v khimii; trudy. Moskva, Izd-vo AN SSSR, 1958. 380 p. (MIRA 18:6)

1. Vsesoyuzmaya nauchno-tekhnicheskaya konferentsiya po primeneniyu radioaktivnykh i stabil'nykh izotopov i izlucheniy v narodnom khozyaystve i nauke. 2d, Moscow, 1957. 2. Chlen-korrespondent AN SSSR (for Alimarin).

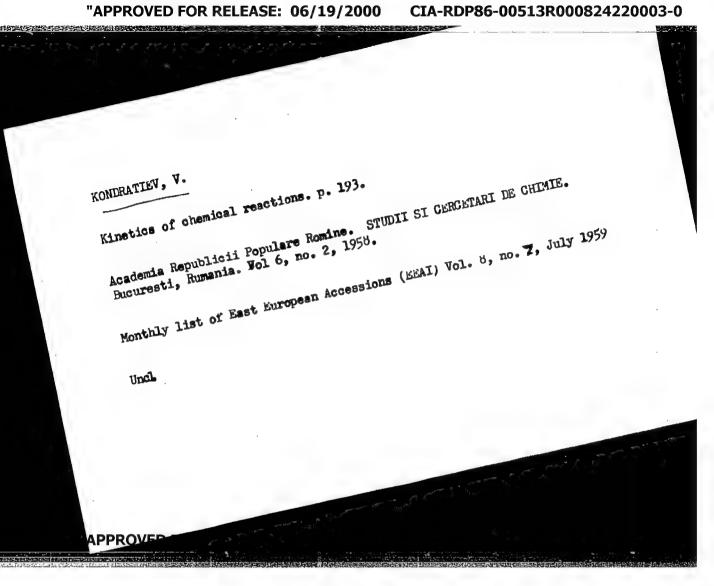
chemical reactions, reactions in an electric discharge, and Card 1/18

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0 Kinetics of Chemical Gas Reactions

partly radiochemical reactions. Particular attention is given to the photochemical and electric activation of molecules. General information pertaining to kinetics, thermodynamics. and the theory of combustion is also included in the text. Chapter 3, and individual parts of the Chapters 4, 5, 6, and 8, were written by N.D. Sokolov. The author thanks V.V. Voyevodskiy, A.B. Nalbandyan, Yu.S. Sayasov, A.S. Sokolik, and V.L. Tal'roze for reviewing individual chapters of this monograph. V.D. Grammatchikov and Ye.I. Kondrat'yev assisted in preparing the book for publication. There are 204 figures, 62 tables, and 1334 references, 310 of which are Soviet and 1024 English, German, and French.

TABLE OF CONTENTS:

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NALBANDYAN, Aram Bagratovich; THHIKOLOFYAN, Nikolay Sergeyevich; KONDRAT'YEY, V.N., akademik, otv.red.; VYAZEMTSEV, V.N., red. INC-Va; CUSEVI, I.P., tekhn.red.

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[Formaldehyde, a basic material in the manufacture of plastics]
Formal'degid - material dlia plastmass. Moskva, Izd-vo Akad.

nauk SSSR, 1959. 68 p.

(Formaldehyde) (Plastics)

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0

PHASE I BOOK EXPLOITATION SOV/4211

Kondrat'yev, Viktor Nikolayevich

Struktura atomov 1 molekul (The Structure of Atoms and Molecules). 2nd ed., rev. Moscow, Fizmatgiz, 1959. 524 p. Errata slip inserted. 15,000 copies printed.

Ed.: V. I. Rydnik; Tech. Ed.: S. S. Gavrilov.

PURPOSE: This book is addressed to students following courses in physics and chemistry at the university level.

COVERAGE: The book is based on lectures for the course "The Structure of Atoms and Molecules" given by the author at the Fiziko- mekhanicheskiy fakul'tet (Division of Physics and Mechanics) of the Leningradskiy politekhnicheskiy institut (Leningrad Polytechnic Institute) over a period of many years. The author deals with theoretical and experimental aspects of electrons, the atomic nucleus, atomic structure and molecular structure. No personalities are mentioned. There is a bibliography of references, mostly Soviet, at the end of each chapter.

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PHASE I BOOK EXPLOITATION

BOV/5597

Kondrat'yev, Viktor Nikolayevich, Academician

Svobodnyye radikaly - aktivnaya forma veshchestva (Free Radicals, the Active Form of Substance) Moscow, Izd-vo AN SSSR, 1960. 54 p. Errata printed on the inside of back cover. 20,000 copies printed.

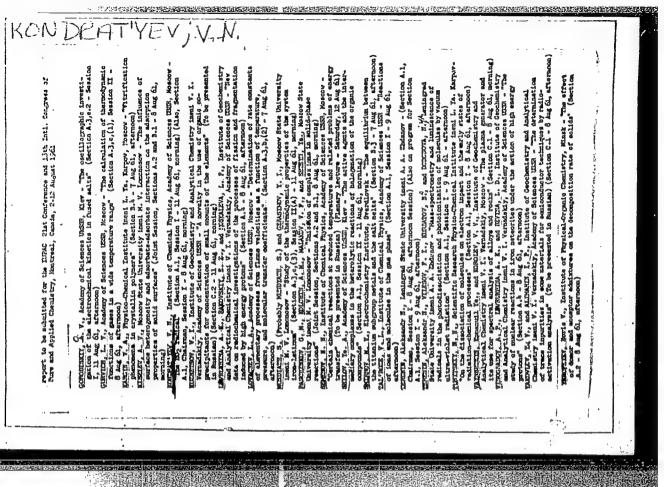
Sponsoring Agency: Akademiya nank SSSR.

Ed. of Publishing House: T.G. Levi; Tech. Ed.: I.F. Koval'skaya.

FURPOSE: This book is intended for the general reader.

COVERAGE: The booklet reviews the history, properties, and methods of producing and investigating free radicals, and discusses some reactions involving free radicals, e.g., polymerization, exidation, combustion, etc. Special attention is given to the behavior of free radicals in solids and in cosmic space. No personalities are mentioned. There are no references.

Card 1/2



NEYMAN, Moisey Borisovich; KONDRATTYEY, V.N., akad., otv. red.; KLYAUS, Ye.M., red.izd-va; POLENOVA, T.P., tekhn. red.

[Atomic energy and its utilization] Atomnaia energiia i ee primenenie. Moskva, Izd-vo Akad.nauk SSSR, 1961. 142 p. (MIRA 14:12) (Atomic energy)

Percon

S/195/61/002/004/005/005 E030/E585

AUTHORS

Kondrativev, V.N. and Ptichkin T.I.

TITLE

Reaction of carbon monoxide with ozonated oxygen in the

gas phase

PERIODICAL: Kinetika i kataliz, v.2, no.4, 1961, 492-496

NAMED OF THE PERSON OF THE PER

TEXT: Previous works on the formation of carbon district hy oxidation of carbon monoxide in the presence of evene have assumed a reaction of the form:

$$co = o_3 = co_2 + o_2$$

but the results have never been in satisfactory agreement with experiment. The present work comprises more accurate experiments measuring the relative luminescence in the 3500-3900 trange. from 100-250°C. The ozone was measured indometrically, and the carbon dioxide by a 0.01 N Ba(OH)₂ solution; by carrying out the ozone determination prior to the carbon dioxide determination the errors in the previous works were minimized. A conventional apparatus was used, with equimolar mixtures of carbon dioxide and ozonated oxygen containing 3.26% ozone initially. The results

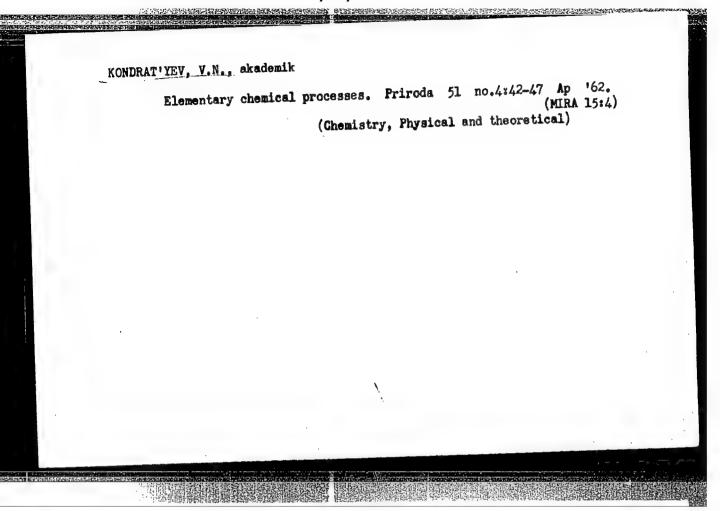
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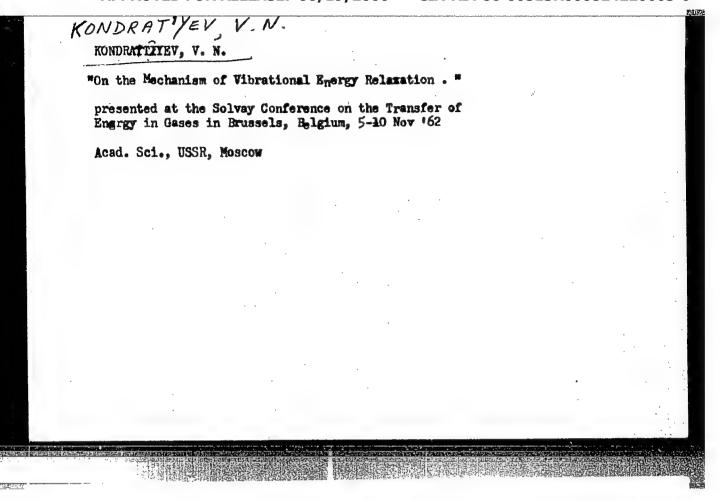
Reaction of carbon monoxide with ... S/195/61/002/004/003/008
E030/E585

J.Amer.Chem.Soc., 76, 1523, 1954; Ref.3: S.W.Benson, A.E.Axworthy,
J.Chem.Phys., 26, 1718, 1957.

ASSOCIATION: Institut khimicheskoy fiziki AN SSSR
(Institute of Chemical Physics, AS USSR)

SUBMITTED: June 2, 1961

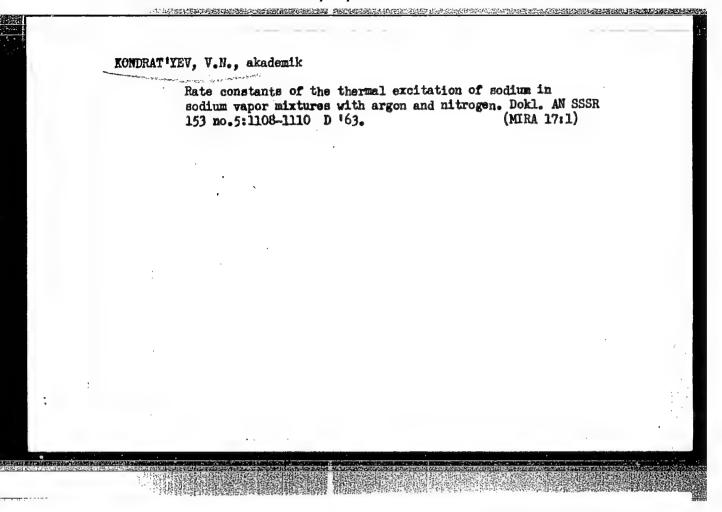




VEDENEYEV, Vladimir Ivanovich; GURVICH, Lev Veniaminovich; KONDRAT'YEV, Viktor Nikolayevich, akademik; MEDVEDEV, Vadim Andreyevich; FRANKEVICH, Yevgeniy Leonidovich; DRAGUNOV, E.S., red.; RYLINA, Yu.V., tekhn. red.

[Energies of chemical bond breaking. Ionization potentials and electron affinity] Energii razryva khimicheskikh sviazei. Potentsialy ionizatsii i sredstvo k elektronu; spravochnik. [By]V.I. Vedeneyev i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 215 p. (MIRA 16:2)

(Chemical bonds) (Ionization) (Chemical affinity)



NIKITIN, Yevgeniy Yevgen'yevich KONDRAT'YEV, V.N., akademik, otv. red.; [Modern theories of the thermal disintegration and izomerization of molecules in the gaseous phase] Sov-

remennye teorii termicheskogo raspada i izomerizatsii molekul v gazovoi faze. Moskva, Izd-vo "Nauka," 1964.

104 p.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824220003-0"

KONDRAT'YEV, V. N.

"Determination of the rate constant for thermal cracking of methane by means of adiabatic compression and expansion."

report submitted to 10th Intl Symp on Combustion, Cambridge, UK, 17-21 Aug 64.

s/0062/64/000/001/0166/0168

ACCESSION NR: AP4010049

AUTHOR: Kondrat'yev, V. N.

TITLE: The importance of diffusion control in jet kinetics

SOURCE: AN SSSR. Izvestiya. Ser. khim., no. 1, 1964, 166-168

TOPIC TAGS: hydrogen atoms, oxygen atoms, atom diffusion, diffusion constant, continuity equation, linear destruction, atom destruction, jet kinetics, potassium chloride, carbon monoxide

ABSTRACT: Voyevodskiy and Kondrat'yev (Progress in Reaction Kinetics, p. 41, Pergamon Press, 1961) showed that failure to consider the diffusion factor in determining the speed constant of elementary chemical processes by the jet method of investigation may lead to considerable errors. It can be shown that substantial errors may also result from errors. It can be shown that substantial errors may also result from disregarding the diffusion of oxygen atoms in similar experiments with oxygen. According to the tests discussed in (3) (L. I. Avramenko and oxygen. According to the tests discussed in (3), 1196, 1959), the linear R. V. Kolesnikova, Journal of Chem. Phys. 31, 1196, 1959), the linear destruction of the oxygen atoms is determined by their adsorption on

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 $k_{\rm p} = 1.17_4 10^{-34} {\rm e}^{-\frac{700}{\rm RT}} {\rm cm}^6 \cdot {\rm molec}^{-2} \cdot {\rm sec}^{-1},$

where $k_0 = 2.68 \cdot 10^{-34}$ cm⁶ · molec⁻² · sec⁻¹ corresponds to a temperature of 428 K. The experimental data produced by Avramenko and Molesnikova made it possible to determine the coefficient of oxygen atom adsorption on a glass surface covered with potassium chloride. Orig. art. has: 7 formulas.

ASSOCIATION: Institut khimicheskov fiziki Akademii Nauk SSSR (Institute of physical chemistry, Academy of Sciences, SSSR)

SUBMITTED: 28Jun63

DATE ACQ: 14Feb64

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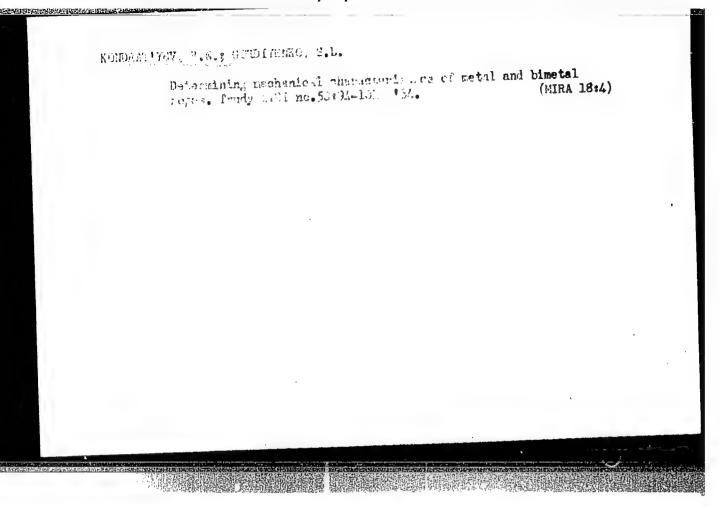
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OTHER: 007

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APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824220003-0"



INTETAROVA, Ye.I.; KONDRAT'YEV, V.N.; MUKHOYAN, M.Z.

Chemical relaxation in burnt gas. Kin. i kat. 5 no.4:585-591 J1-Ag '64. (MIRA 17:11)

1. Institut khimicheskoy fiziki AN SSSR.

KONDRATTEV, V.N. [Kondrat'yev, V.N.]

Modern tasks in the kinetics of gas reactions. Kem tud kozl MTA 22 no.1:1-14 '64.

1. Member, Academy of Sciences of the U.S.S.R.

KONDRATYEV, V.N. [Kondrat'yev, V.N.], akademikus

Thermal formation of active centers in the radical oxidation reactions of organic substances. Kem tud kozl MTA 22 no.2: 183-197 '64.

1. Academy of Sciences of the U.S.S.R.

S/0020/64/154/005/1142/1144

AUTHORS: Balakhnin, V.P.; Gershenzon, Yu. M.; Kondrat'yev, V.N.

(Academician); Nalbandyan, A.B.

TITLE: Discovering a free hydroxyl in a rarefied hydrogen flame

by the electron paramagnetic resonance method

SOURCE: AN SSSR. Doklady*, v. 154, no. 5, 1964, 1142-1144

TOPIC TAGS: hydrogen flame, rarefied flame, microwave spectrum, hydroxyl, free hydroxyl, dipole, dipole transition, hydroxyl absorption, resonator, linear velocity, OH spectrum, OH absorption, atomic oxygen, molecular oxygen

ABSTRACT: Studies made by Dousmanis, Radford and other researchers revealed that the microwave spectrum of OH absorption is dependent on electric dipole transitions, the intensity of which is considerably greater than that of the ordinary electron paramagnetic resonance lines brought about by the magnetic dipole transitions. It

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follows that when the pressure in the flame of H₂ with O₂ is low, it is possible to detect the signals of paramagnetic absorption of a free hydroxyl; the discovery of OH is possible only when the particles are placed in the loop of an ultra-high frequency electric was designed in such a way that the absorbing cell filled the entire mined by the electric and magnetic dipole transitions. It was found reaches a maximum when the latter amounts to 60%, while the H sign No signal of atomic oxygen was observed in our experiment as it was tude of which at a low temperature of the absorbing cells is considerably greater (60-80 times) than the concentrations of atomic hydrogen.

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\$/0020/64/154/004/0883/0885

Balakhnin, V.P.; Gershenzon, Yu. M.; Kondrat'yev, V.N. AUTHORS: (Academician); Nalbandyan, A.B.

Measuring the concentrations of atomic oxygen and hydrogen TITLE: in a rarefied hydrogen flame by the method of electron para-

magnetic

SOURCE: AN SSSR. Doklady*, v. 154, no. 4, 1964, 883-885

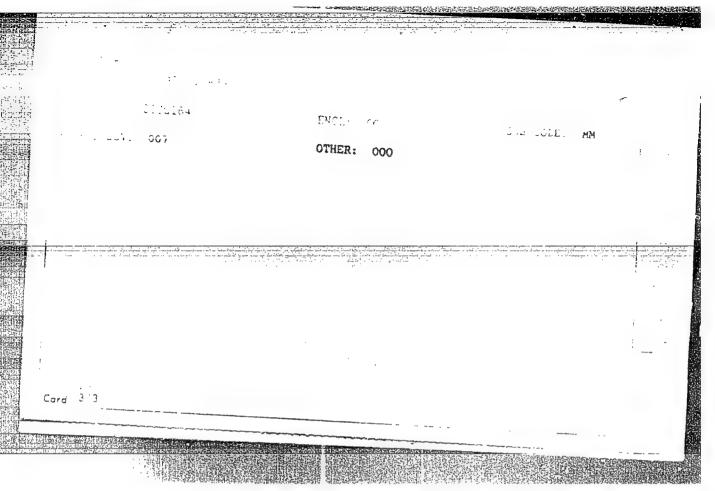
TOPIC TAGS: elementary reaction, successive reaction, stoichiometry, stoichiometric mixture, resonator, atom concentration, atomic oxygen, atomic hydrogen, rarefied flame, magnetic moment

ABSTRACT: This project relates to the finding of atomic oxygen and the measurements of the concentration of 0 and H atoms in a rarefied hydrogen flame by the spectra of the electron paramagnetic resonance. The jet-type reactor used in the experiment was placed inside the resonator which made it possible to determine the O and H atom concentrations in the combustion area. The project began with a study

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Tab-10/Pr-h/Pab IJP(c) JJ/ma/ 35/AT
 ACCESSION NR: AP5010839
                                                                                                                                                             UR/0020/65/161/004/0886/0888
  AUTHOR: Shvachko, V. I.; Nadykto, B. T.; Fogel', Ya. M.; Garger, K. S.;
 TITLE: The use of secondary ion emission for investigation of corrosion processes
on the surface of steel
SOURCE: AN SSSR. Poklady, v. 161, no. 4, 1965, 886-888
   FIG TAGS: secondary emission, steel surface exidation, iron pentacarbonyl,
   control childe, ferrous hydroxide, argon ion beam, steel corrosion
occurring on the surface of steel during heating in a vacuum (5 x 10 6 mm Hg) and
in oxygen (1 x 10 4 mm Hg), carried out with the aid of secondary ionic emission.
                     e of secondary ion emission was a steel strip 20 - 4 - 0.1 mm containing
                                      .....y lone versus the temperature of the steel strip are given. The formation
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ACCESSION NR: AP	'5010839			
i be fe Afark	en the steel surface is due to describe and therefore no line the 20-500° range, the resistance more many that is the partition of the surface of the	'S water to no incr in maker in the ite of daying this	Fise in the in- Rise coating on Committee	2.
fire the characarhe	ure of water vapor. The coating ally above 200°. A definite parent is played by the carriers	5 VA KHU SUFFACA W	idered in rela- ith Fe(CO)s in-	



KHARITON, Yu.B.; KONDRAT YEV, V.N.; BOROVIK-POMANOV, A.S.; ZAVARITSKIY, N.V.; MALKOV, M.P.; KHAYKIN, M.S.; SHARVIN, Yu.V.

Aleksandr Iosifovich Shal'nikov; on his 60th birthday. Usp. fiz. nauk 87 no.1:171-172 S '65. (MIRA 18:9)

ACCESSION NR: AP5010169 UR/0020/65/161/002/0392/0394 ACTHOR: Moin, F. B.; Kondrat'yev, V. N. TITLE: Calculation of activation energy on the basis of the additivity AN SSSR. Doklady, v. 161, no. 2, 1965, 392-394 TAGS: activation energy, saturated molecule, additivity principle, bonding energy, hydrocarbon reaction ABSTRACT: The potential energy of an activated complex may be regarded as an additive quantity consisting of the bonding energies of individual atoms Analysis of numerous experimental findings on chamical kinaries shows that this also be extended to the reactions of saturated molecular. This makes it calculate the activation energies of the corresponding reactions. Thus of activation energy, previously derived by the author (F. B. Moin, The rise waskademii nauk, 152, 1169 (1963)) can be generally applied to any chemical 1/3 Card additive scheme for calculating the activation energy directly relates antivity of different molecules to their structure. An important aspect of the instant originals is that it ensures a simple program of LINEA D. SKEEMSO.A LEDU. OF FI 41 M. 10 15 1 . a. : formulas. Ing 2/3

APPROVED FOR RELEASE 1106/12/2000 ant a CIA-RDP86-00513R000824220003-0"

WE REEK SOVI 001

ENCL: 00

SUB CODE: OC , EP

OTHER: 020

KONDRAT YEV, V.N.

Loss of frame stability at various positions of the load system. Trudy LIEI no.57:16-25 165. (MIRA 18:8)

USSRAPPROMEMENTOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0"

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21425

: Kondrat'yev V. P. Author

Inst Title : Some Questions Relating to the Topography of the Nerves of the Abdominal Wall of Cattle (Nekotoryye voprosy topografii nervov bryushnoy stenki krupnogo rogatogo skota).

Orig Pub: Sb. stud. rabot. Mosk. tekhnol. in-t myas. i moloch. prom-sti, 1956, vyp. 4, 100-103

Abstract: A study of 4 cadavers of cattle revealed that the cutaneous dorsal nerves at the level of the extremities of the transverse costal processes of lumbar vertebrae are not situated subcutaneously but intramuscularly or directly on the above processes. The ventral (caudal) thoracic nerve is situated directly

Card 1/2

S/076/61/035/003/021/023 B121/B206

AUTHORS:

Kondrat'yev, V. P. and Gorbachev, S. V.

TITLE:

Procedure and apparatus for measurements of electrical conductivity and polarization potentials in electrolysis of aqueous solutions at high temperatures

PERIODICAL:

Zhurnal fizicheskoy khimii, v. 35, no. 3, 1961, 671-676

TEXT: According to the principle of maintaining constant the composition of the solution to be investigated, the authors designed an electrolytic cell lysis and measurement of electrode polarization consists of 5 parts: an um electrodes, a cell with the reference electrode, and a stopper which conductivity contains no cell with a reference electrode. When conducting the electrolysis, the cell is put into an autoclave of 1.5 1 capacity. The (39-17) (1Kh18N9T (EYa-1T)). In the investigation of the electrical con-

S/076/61/035/003/021/023 B121/B206

Procedure and ...

ductivity, the temperature is determined with an accuracy of $\pm 0.25^{\circ}$ C, and in the electrolysis with an accuracy of +1 C. The autoclave has an outside diameter of 130 mm, an inside diameter of 80 mm, and withstands hydraulic pressures of up to 501 kg/cm² and temperatures of 340 $^{\circ}$ C and more. The autoclave is sealed by conic connections of the metal-metal type. The temperature is measured by a Chromel-Alumel thermocouple which is placed in a protective tube with diffusion oil of the "A" type. The design of the autoclave used to determine the electrical conductivity and of the heater of the autoclave is similar to that described by I. M. Rodnyanskiy and I. S. Galinker (Ref. 3: I. M. Rodnyanskiy, I. S. Galinker, Dokl. AN SSSR, 105, 1955; Ref. 4: I. M. Rodnyanskiy, Dissertatsiya, Khar'kov, 1954); only the temperature measurement and electric supply lines are different. The electrical conductivity of 1 M KCl solutions was investigated. The method proposed permits the determination of the electrical conductivity at a constant composition of the solutions to be investigated and at increasing or constant temperature, but not on a quick temperature decrease. A method for determining the potentials in aqueous solutions at high temperatures was proposed. V. A. Mil'chev (Ref. 9: Izv. Vuz. MVO SSSR (Khim.), no. 2, 114, 1958; Ref. 10: Dissertatsiya, Moskva, 1958) and N. Larionov (Ref. 13: Card 2/3

Procedure and ...

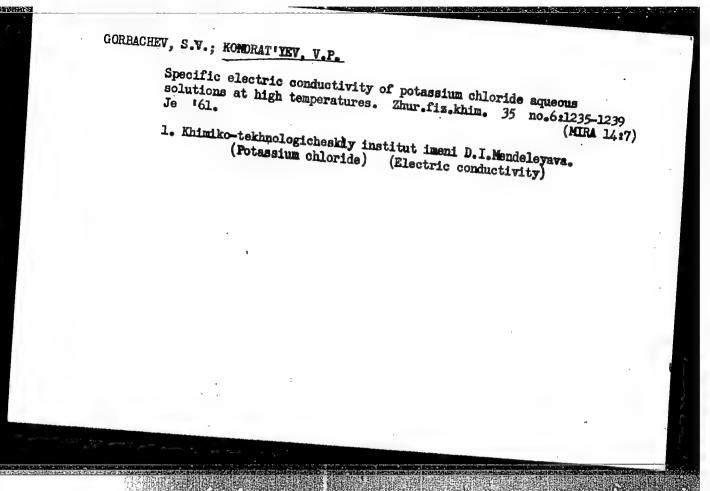
S/076/61/035/003/021/023 B121/B206

Dissertatsiya, MOPI, 1951) are mentioned in connection with the design of the electrolytic cell. There are 5 figures and 18 references: 10 Soviet-bloc and 8 non-Soviet-bloc. The four references to English-language publications read as follows: M. H. Lietzke and R. W. Stoughton, J. Amer. Chem. Soc., 75, 5226, 1953; M. H. Lietzke, J. V. Vanghen, J. Amer. Chem. Soc., 77, 876, 1955; S. Senderoff, A. Brenner, J. Electrochem. Soc., 97, 361, 1950; J. N. Ager, W. G. Breck, Nature, 175, 298, 1955.

ASSOCIATION: Khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Institute of Chemical Technology imeni D. I. Mendeleyev)

SUBMITTED: September 6, 1960

Card 3/3



s/076/61/035/010/015/015 B106/B110

Gorbachev, S. V., and Kondratiyev, V. P.

Electrolysis in aqueous solutions at high temperatures Zhurnal fizicheskoy khimii, v. 35, no. 10, 1961, 2400 - 2401 AUTHORS:

TITLE:

TEXT: The kinetics of electrodic processes in systems with concentration TEXT: The kinetics of electrodic processes in systems with concentration and chemical polarizations was studied by plotting the polarization curves in the temperature range of 25 - 3000c. Electrolygia was performed in a and chemical polarizations was studied by plotting the polarization curve in the temperature range of 25 - 300°C. Electrolysis was performed in a PERIODICAL: quartz cell according to a method previously described (Ref. 1: quartz cell according to a method previously described (Mel. 1; 1961). The V. P. Kondratlyev i S. V. Gorbachev. Zh. fiz. khimii, 35, 671, 1961). v. P. Kondrat'yev 1 S. v. Gorbachev. Zh. Yiz. khimii, 25, b(1, 1901). The equipotentials of the logarithm of the electrode reaction rate as a function of the reciprocal characteristics. equipotentials of the logarithm of the electrode reaction rate as a function of the reciprocal absolute temperature were found to be characterized in many cases by correct with a maximum in the temperature. in many cases by curves with a maximum in the temperature range of 220 In many cases by curves with a maximum in the temperature range of 220 \sim 270°C. Fig. 1 shows the curves log i = f(1/T) of the cathodic deposition of silver from its bromide complex in a constant of the collection of silver from its bromide complex in the collection of silver from its bromide complex in the collection of silver from its bromide complex in the collection of silver from its bromide complex in the collection of silver from its bromide complex in the collection of the collection of silver from its bromide complex in the collection of the collection of silver from its bromide complex in the collection of silver from its bromide complex in the collection of the collection - 270°C. Fig. 1 shows the curves log 1 = I(1/T) of the cathodic deposition of silver from its bromide complex in an electrolyte of the following tion of silver from its bromide complex in molecular. tion of sliver from its promide complex in an electrolyte of the following composition: 0.04 m AgBr, 4.5 m KBr (m = molarity). It may be seen that Composition: U.U4 m agar, 4.7 m agr (m = moisrity). It may be seen that the acceleration of the cathodic deposition of silver decreases more and more with rising temperature, until a maximum value is attained at a

Card 1/5

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28296 S/076/61/035/010/015/015 B106/B110

Electrolysis in aqueous ...

certain temperature. Further rise in temperature does no longer accelerate the process but retards it. Similar curves are known to characterize also the electrical conductivity of solutions of strong electrolytes (Ref. 2: A. A. Noyes, W. D. Coolidge, Z. phys. Chem., 46, 323, 1903). This phenomenon is apparently mainly due to an association of ions at high temperatures, since aqueous solutions of strong electrolytes having a density of <0.7 g/cm³ exhibit the properties of solutions of medium or even weak electrolytes (Ref. 3: E. U. Frank, Z. phys. Chem., 8, 92, 107, 192, 1956). Also the increase of the hydration number of ions at high temperatures, which was found by I. M. Rodnyanskiy and I. S. Galinker (Ref. 4: Zap. Khar'k. s.-kh. in-ta, 14, 43, 1957; Tr. Khar'k. otd. VKhO im. D. I. Mendeleyeva, 1, 135, 1958), as well as the decrease of volume concentration of the electrolyte probably play an important part in the formation of the maximum of the curves log i = f(1/T). The total increase of the rate of cathodic deposition of silver with rising temperature is

not high. The maximum rate is about a little more than five times the rate at room temperature. The effective activation energy determined from the initial part of the curve log i = f(1/T) is 3080 cal/mole, which may

be regarded as a limiting stage of the transport process of the substance. Card 2/5

Electrolysis in aqueous...

S/076/61/035/010/015/015 B106/B110

The polarization curves in the cathodic deposition of nickel from a solution with 0.1 m Ni(H₃C₂O₂)₂ and 2 m H(H₃C₂O₂) could be plotted only up to 270°C, since nickel hydroxide precipitates at higher temperatures owing to hydrolysis. Fig. 2 shows the corresponding equipotentials which are also curves with a maximum. The ascent of the initial, linear sections of the curves decreases with increasing polarization potential (equipotentials 0.6; 0.8; 1.0 v), which indicates the occurrence of chemical polarization. It may be seen from Fig. 2 that the rate of the process at a polarization of 0.2 v increases by about three orders of magnitude, when the temperature rises from 25 to 240°C. This effect of temperature on the rate of an electrochemical reaction with high activation energy is comparable with the effect of a catalyst. [Abstracter's note: Complete translation.] There are 2 figures and 4 references: 2 Soviet and 2 non-Soviet.

ASSOCIATION: Khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Institute of Chemical Technology imeni D. I. Mendeleyev)

SUBMITTED: April 26, 1961

Card 3/5

X

GORBACHEV, S.V.; KONDRAT'YEV, V.P. (Moscow)

Electrolysis in aqueous solutions at high temperatures. Zhur.fiz.khim. 36 no.10:2162-2168 0 '62. (MIRA 17:4)

1. Khimiko-tekhnologicheskiy institut imeni Mendeleyeva.

S/076/63/037/001/011/029 B101/B186

AUTHORS:

Kondrat'yev, V. P., Nikich, V. I. (Moscow)

TITLE:

Electrical conductivity of aqueous solutions of alkaline earth chlorides at high temperatures

PERIODICAL: Zhurnal: fizicheskoy khimii, v. 37, no. 1, 1963, 100-105

TEXT: The data on the electrical conductivity % of aqueous solutions of MgCl₂, Cacl₂, and SrCl₂ in molal concentrations of 0.05 - 1.0 m and 0.5 m BaCl₂ at 25 - 300°C, which so far have not been published, were calculated and are here tabulated. At rising temperature % was found to pass a maximum. X = Ac exp B(Tmax - T)²/T, where c is the molal concentration, and A, B, k are empirical constants, is valid in the above range of temperatures and concentrations. The occurrence of % at a of the electrolytes decreases as the temperature increases. At lower Card 1/2

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Electrical conductivity of aqueous ... S/076/63/037/001/011/029

radius of the solvated ion, i. e. on its mobility, and forms the sequence $Mg^{2+} < Ca^{2+} < Sr^{2+} < Ba^{2+}$. The mobility increases and the amount of the dissociated ion decreases as the temperature rises. Hence, \varkappa_{max} occurs temperatures causing the appearance of highly mobile H^+ .ions. The sequence $MgCl_2 > CaCl_2 > SrCl_2 > BaCl_2$ holds for \varkappa at 0.05 m, owing to the different tendency of the studied alkaline earth compounds to hydrolyze.

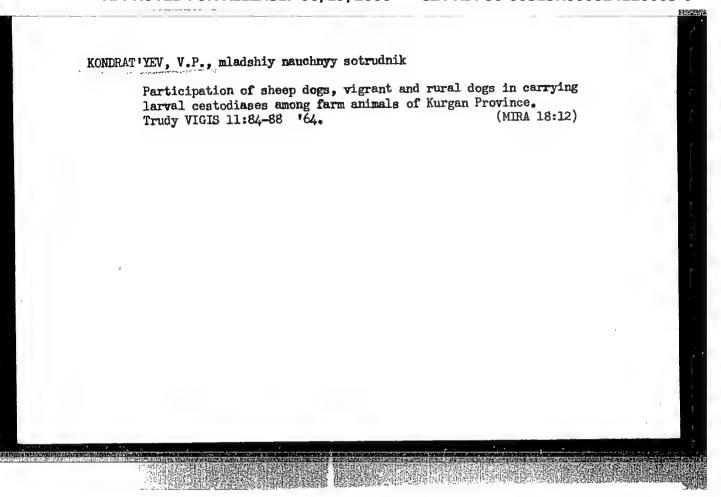
ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I.
Mendeleyeva (Moscow Institute of Chemical Technology imeni

SUBMITTED: September 27, 1961

GORBACHEV, S.V.; KONDRAT'YEV, V.P.

Electrolysis in aqueous solutions at high temperatures. Part 2. Zhur. fiz. khim. 38 no.6:1557-1563 Je '64.

1. Khimiko-tekhnologicheskiy institut imeni Mendeleyeva, Moskva.



"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0

KONDRATITE, V.P.; CORBACHEV, S.V.

Conductance of aqueous sclutions at high temperatures. Znur.
fiz.khim. 39 no.11:2753-2756 N 165.

(MIRA 18:12)

l. Mcskovskiy khimiko-tekhnologicheskiy institut imeni D.I.
Mendeleyeva.

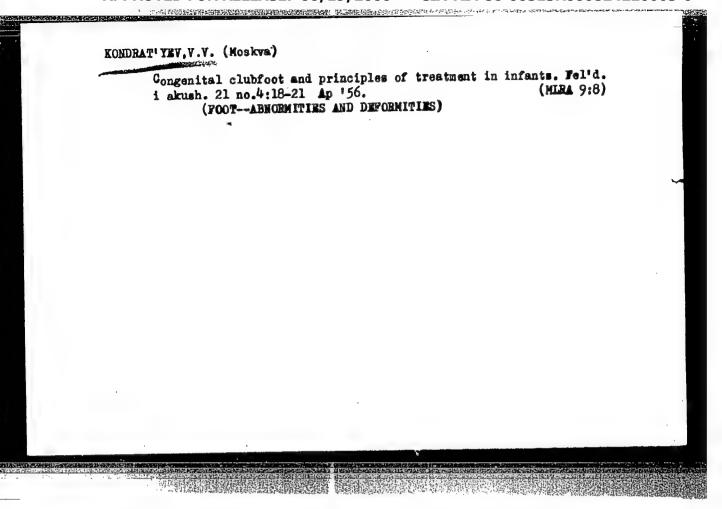
KODOLOVA, I.M.; KONDRAT'YEV, V.S. (Moskva)

Method of fluorescence microscopy in the study of chronic nonsepecific inflammatory processes in the lungs. Arkh. pat. 27 no.9:22-27 '65. (MIRA 18:12)

1. Kafedra patologicheskoy anatomii (zav. chlen-korrespondent AMN SSSR prof. A.I. Strukov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova. Submitted December 24, 1963.

KONDRAT'YEV, V. S.

Cand Vet Sci - (diss) "Methods of obtaining, several physico-chemical properties, morphological state of lymph, and characteristics of lymph flow in horned cattle." Tartu, 1961. 21 pp; (Ministry of Agriculture Estonian SSR, Estonian Agricultural Academy); 300 copies; price not given; (KL, 6-61 sup, 234)



KURASHOV, Sergey Vladimirovich; KONDRAT'YEV, V.V., red.; PARAKHINA,
N.L., tekhn. red.

[Hospital care has reached a new stage]Bol'nichnais pomoshch'
na novom etape. Moskva, Medgiz, 78 p. (MIRA 16:3)

(HOSPITALS)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824220003-0

KONDRATYEV, V. V.

99-5-4/11

AUTHOR:

Beglyarov, S.A., Engineer, Gankin, M.Z., Candidate of Mechanic-

al Sciences, Kondrat'yev, V.V., Engineer

TITLE:

Selection of Type for Drainage Canal Pumping Stations (Tipovoye proyektirovaniye meliorativnykh nasosnykh stantsiy

na kanalakh)

PERIODICAL:

Gidrotekhnika i Melioratsiya, 1957, # 5, p 23-32 (USSR)

ABSTRACT:

In 1955 and 1956 the USSR Ministry of Agriculture selected 11 types of pumping stations for irrigation systems, and 2 types for drainage systems. The capacities of the pumps ranged from 100 liter/sec to 6 cu m/sec with manometric pressures up to 30 m, to be installed at canals with variations of water levels up to 2 m. For pumpa with up to 150 kw power input, asynchronous, squirrel cage motors of the series "A", "AO" and "TAM-6" for vertical and horizontal assembly were used; for pumps with a power input of 150 - 300 km synchronous low-voltage motors of the type "AC", and for pumps with a power input exceeding 300 km high voltage motors (6,000 v) of the types "AC" and 'MC" were used. Giprovodkhoz endeavored to standardize as much as possible the construction of the pumping units as well as their components. In 1957, development of 8 new types of pumping stations, of which 7 are to serve for irrigation, and 1 for drainage

Card 1/3

agaily was a

various types of buildings, special attention was paid to the use of prefabricated reinforced concrete structural parts and prefabricated reinforced concrete pipes. The buildings of the

Card 2/3

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824220003-

Selection of Type for Drainage Canal Pumping Stations

99-5-4/11

chamber type are designed either as monolithic or prefabricated reinforced concrete constructions. The buildings of the waterconducting type are of more simple construction, without complex and expensive underground chambers. The walls are supported by quarry stone-concrete prefabricated foundations.

This article contains 6 figures and 1 table.

AVAILABLE:

ASSOCIATION: State Planning Institute for Water Supply Installations (Gosudarstvennyy institut po projektirovaniju vodokhozyajstvennykh ob‼yektov - Giprovodkhoz)

Library of Congress

Card 3/3

SITKOVSKIY, P.A.; KOMAROV, G.V.; BRUSENTSEV, V.F.; KREMENETSKIY, N.N.;

MAMAYEV, M.G., kand.tekhn.nauk; SMIRNOV, A.V., kand.tekhn.nauk;

APANAS'YEV, I.V.; VOLOD'KO, I.F., kand.tekhn.nauk; BEGLYAROV, S.A.;

KOMDRAT'YEV, V.V.; KARLINSKAYA, M.I.; NIKOLAYEV, M.I., kand.tekhn.

nauk; DOROKHOV, S.M.; PISHCHUROV, P.V.; KLIMENTOVA, A.V.; ROZEMBLAT,

Zh.I.; PANDEYEV, V.V., kand.tekhn.nauk; KULIKOV, P.Ye.; SHIMANOVICH,

S.V.; DELITSIN, M.V., retsenzent; BRAUDE, I.D., retsenzent; BARYSHEV,

A.M.; retsenzent; GRIGORYANTS, A.S., retsenzent; IGNATYUK, G.L.,

retsenzent; KALABUGIM, A.Ya., retsenzent; KREMENETSKIY, N.D.,

retsenzent; POPOV, K.V., retsenzent; ORLOVA, V.P., red.; LETNEV,

V.Ya., red.; SOKOLOVA, N.N., tekhn.red.; FEDOTOVA, A.F., tekhn.red.

[Handbook for hydraulic and agricultural engineers] Spravochnik gidrotekhnika melioratora. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1958. 766 p. (NIRA 12:3)

(Hydraulic engineering) (Agricultural engineering)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0

BOLOTIN, B.I., insh.; KONDRAT'YEV, V.V., insh.

Drainage in railroad yards. Zhel.dor.transp. 40 no.10:58 0 '58.

(MIRA 11:12)

(Drainage) (Railroads--Yards)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0

KONDRAT'YEV, V.V., inzh.

On adjacent track divisions. Put' i put.khoz. 4 no.10:3-4 0 (MIRA 13:9)

(Railroads--Labor productivity)

BEGLYAROV, S.A., insh.; KONDRAT'YEV, V.V., insh.

From practices in the design and use of large floating pumping stations. Gidr. i mel. 14 no.12:18-32 D '62. (MIRA 16:5)

1. Vsesoyusnyy gosudarstvennyy proyektno-isyskateliskiy i nauchno-issledovateliskiy institut Ministerstva Seliskogo khosyaystva SSSR.

(Pumping stations)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0

KONDRAT'YEV, V.V.. inzh.; KROL', E.G., inzh. Prinimal uchestiye HEGLYAROV, S.A., inzh.

[Instructions for designing irrigation pumping stations] Ukazaniia po proektirovaniiu irrigatsionnykh nisosnykh stantsii. Moskva, Pt.1. 1963. 122 p. (MIRA 18:4)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-izyskatel'skiy institut Giprovodkhoz.

ANOKHIN, A.A., insh.; ISAYEV, A.G., mashinist-instruktor; KONDRAT'YEV,
Ya.M.; KRYUCHKOVA, V.K.; MOKHOVA, Ye.S., pensioner; SEREBRYAKOV,
A.P., pensioner; SIDEL'NIKOV, V.M.; SOKOLOVA, Ye., red.; YEGOROVA, I., tekhn.red.

[This is how it was; from the first Communist Saturday to the first Communist labor unit] Kak eto bylo; ot pervogo kommunisti-, cheskogo subbotnika k pervomu kollektivu kommunisticheskogo truda. Moskva, Mosk, rabochii, 1959. 110 p. (MIRA 12:7)

1. Rabotniki depo Moskva-Sortirovochnaya, Moskovsko-Ryasanskoy shelesnoy dorogi (all except Sokolova, Yegorova). 2. Zaveduyu-shchaya kabinetom politicheskogo prosveshcheniya depo Moskva-Sortirovochnaya, Moskovsko-Ryasanskoy shelesnoy dorogi (for Kryuchkova).

(Railroads---Employees)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0

KENDRAT YEV, Ya M.

KONDRAT'YEV, Ya.M., byvshiy mashinist, uchastnik pervogo kommunisticheskoge subbotnika, chlen Kommunisticheskoy Partii Sovetskogo Soyusa.

Those who began the great undertaking. Elek. i tepl. tiaga no.ll: 15-17 N '57. (MIRA 10:11)

1. Depo Moskva-Sortirovochnaya.
(Russia--Revolution, 1917-1921)

KONDRATIYEV, Ye.D., kand.tekhn.nauk, dots.

Distribution of residual stresses in a steel cylinder caused by the heating of a longitudinal strip. Izv.vys.ucheb.zav.; mashinostr. no.5:56-64 58. (MIRA 12:5)

1. Taganrogskiy radiotekhnicheskiy institut.
(Thermal stresses)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0

KOHDRATIYEY, Yo.D.

Remodeled IP-2 machine for testing relaxation, Zav.lab. 26 no.3: 373 '60. (MIRA 13:6)

1. Taganrogskiy saved "Krasnyy ketel'shchik".
(Testing machines)
(Strains and stresses)

AUTHOR:

Kondrat'yev, Ye. D.

S/032/60/036/03/053/064 B010/B117

TITLE:

New Construction of the Machine of the Type IP-2 Used to Test

Relaxation

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol 36, Mr 3, p 373 (USSR)

TEXT: The machine of the type IP-2 of the TENTITMASh generally used for creep tests has been modified in order to perform relaxation tests of steel subjected to elongation. The new construction is based, in principle, on the fact that (Fig) the load was removed from the load lever, and connected with an annular dynamometer. The sample is loaded by means of a screw-thread mechanism, deformation being read with an indicator, and load with the indicator of the dynamometer. The constant deformation required is attained by adding additional weights, the additional load (corresponding to damping of the relaxation process) being slowly increased in an interval ranging from some minutes to one hour. There is 1 figure.

ASSOCIATION: Taganrogskiy zavod "Krasnyy kotel'shchik" (Taganrog Plant "Red Boiler Attendant")

Card 1/1

V3.134

AUTHOR:

Kondrat'yev, Ye. D.

S/032/60/036/03/053/064 B010/B117

TITLE:

New Construction of the Machine of the Type IP-2 Used to Test

Relaxation

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol 36, Mr 3, p 373 (USSR)

TEXT: The machine of the type IP-2 of the TENIITMASh generally used for creep tests has been modified in order to perform relaxation tests of steel subjected to elongation. The new construction is based, in principle, on the fact that (Fig) the load was removed from the load lever, and connected with an annular dynamometer. The sample is loaded by means of a screw-thread mechanism, deformation being read with an indicator, and load with the indicator of the dynamometer. The constant deformation required is attained by adding additional weights, the additional load (corresponding to damping of the relaxation process) being slowly increased in an interval ranging from some minutes to one hour. There is 1 figure.

ASSOCIATION: Taganrogskiy zavod "Krasnyy kotel'shchik" (Taganrog Plant "Red Boiler Attendant")

Card 1/1

18.3200

78040

SOV/130-60-3-9/23

AUTHORS:

Kondrat yev, Ye. M., Perebeynos, V: F.

TITLE:

Design Improvement of Open-Hearth Roof Suspension

PERIODICAL:

Metallurg, 1960, Nr 3, pp 13-14 (USSR)

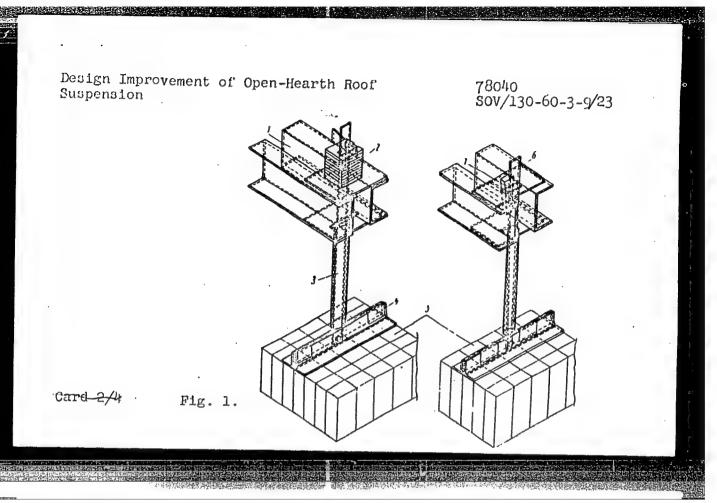
ABSTRACT:

In the open-hearth shops of the Stalino Metallurgical Plant (Stalinskiy metallurgicheskiy zavod) a new design of roof suspension was developed (Fig. 1). The authors suggested changing the old suspension unit. Two wedges working on the self-wedging principle and protecting the roof from sagging are shown in Fig. 2. On the basis of long operation, the following advantages were established: (1) The initial fastening of the roof is made after hammering out the supporting forms before primary heating. (2) There is no need for intermediate fastening of the roof during operation between repairs. (3) Considerable economy in hangers and wedges is achieved due to repeated use of them after general overhauling.

Gard 1/4

There are 2 figures.

alina Metallurgical Plant



Design Improvement of Open-Hearth Roof Suspension 78040 S0V/130-60-3-9/23

Fig. 1. Suspended structure of roof supports (left-old design; right-new design). (1) cross channel; (2) lining block; (3) distance tube; (4) supporting angles; (5) roof; (6) wedge-shaped hanger; (7) tightening wedge with a slot.



Fig. 2. Diagram of wedge action.

Card 3/4

MOYSEYEVICH, G.I.; KONDRATIVEV, Ye.M.

Improving the burner flame in the combustion chamber. Metallurg 6 no.2:20-22 f '61. (MIRA 14:1)

1. Stalinskiy metallurgicheskiy zavod. (Open-hearth furnaces—Design and construction)

ANDON'YEV, S.M.; GLAZKOV, P.G. [deceased]; KUCHIN, V.A. KONDRAF'YEV, Ye.M.; LEVITASOV, Ya.M.; MAKAROV, K.I.; PANKRATOV, F.V.; PEVNYY, N.I.; POKRAS, L.M.; POCHTMAN, A.M.; TESNER, P.A.; SHEYNFAYN, F.I.; SHKLYAR, T.I.; Prinimali uchastiye: BERMAN, M.N.; VARFALOMEYEV, F.L.; ROBIN, M.A.; MOYSIYEVICH, G.I.; SAPIRO, V.S.; ALEKSEYEV, L.M.; POPOVA, R.S.

Heating Martin furnaces with natural gas using reformers.

Gaz. prom. 9 no.11:14-17 '64. (MIRA 17:12)

CIA-RDP86-00513R000824220003-0 "APPROVED FOR RELEASE: 06/19/2000

COUNTRY SUSSRYEV Human and Animal Physiology, Circulation CATEGORY : RZhBiol., Ne. 5 1959, No. 22097 ABS. JOUR. Kondrat'ev, E.N. AUTHOR INST. :Evaluation of human plethismographic data. TITLE Byul, eksperim. biol. i med., 1957, No. 1, supple-ORIG. PUB. ment, 54--57 The air-plethismogram of a finger was recorded ABSTRACT photometrically, and at the same time time movements of the finger were observed by means of an elastic powdered-carbon reostat, one end of which was fastened to a glass tip attached to a phalanx of the toe, the other to a finger. Respiration was recorded by means of an adjustible laryngophone capsule attached to the subject's chest. During the examination of 22 patients, involuntary movements of the finger were observed as well as deep inspirations, which were reflected in the 1/2 Card: T-51

CIA-RDP86-00513R000824220003-

APPROVED FOR RELEASE: 06/19/2000

KONDRAT'YEV, Ye.N. (Moskva)

Volumetric changes in the blood supply to the finger of the resting hand in man after an increase in the load on the other hand. Biul. eksp. biol. i med. 49 no. 5:15-20 My '60.

(MIRA 13:12)

1. Predstavlena deystvitel nym chlenom AMN SSSR A.I. Nesterovym. (FINGERS—BLOOD SUPPLY)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000824220003-0

PYATIGORSKIY, M.G., dotsent, kemi. tekhn. nauk; KONDRATIYNV, Ye.T., inch.

Effect of various methods of next treatment on the plasticity of Sv. 05623 steel during drawing. Stall 24 no.9:848-850 S 167.

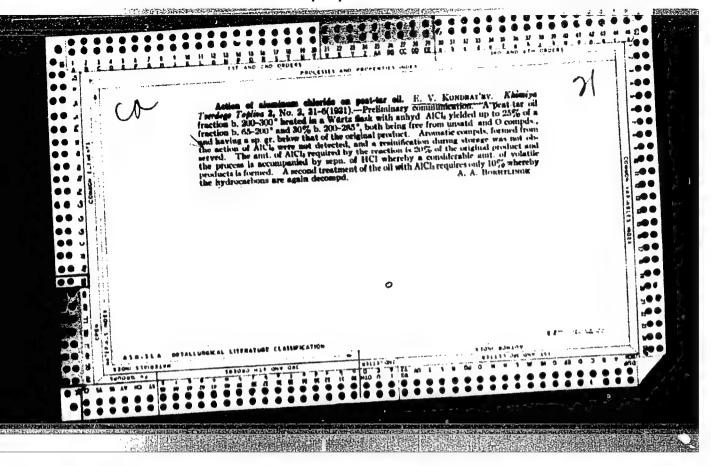
(MIRA 17:10)

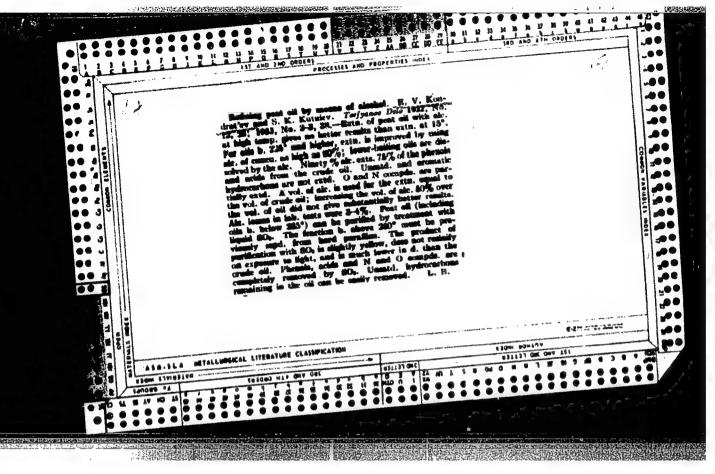
1. Velgogradskiy sel'skoklogyaystvennyy institut.

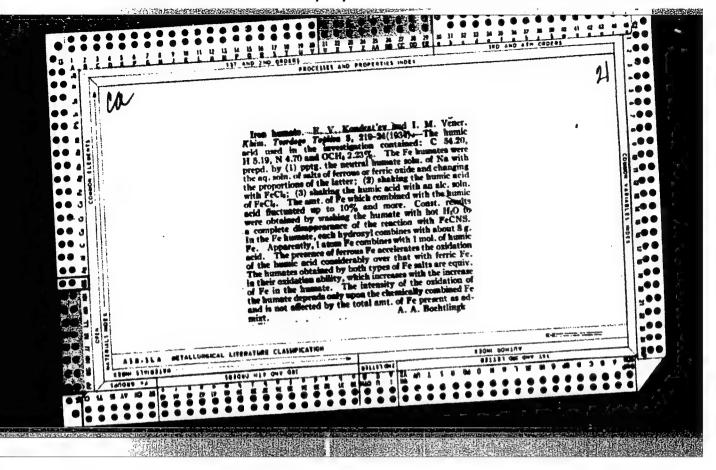
KOZLOV, K.K.; KONDRAT'YEV, Ye.T.; MELIKHOV, I.S.

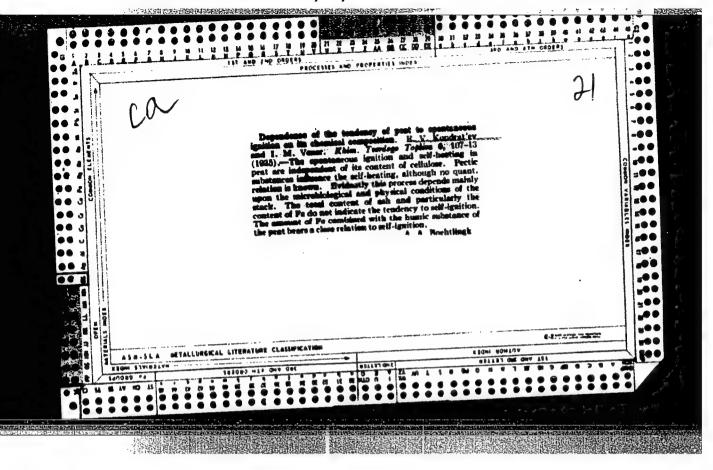
Intermediate transformation of austenite. Metalloved. i term. obr. met. no.4:8-10 Ap '65. (MIRA 18:6)

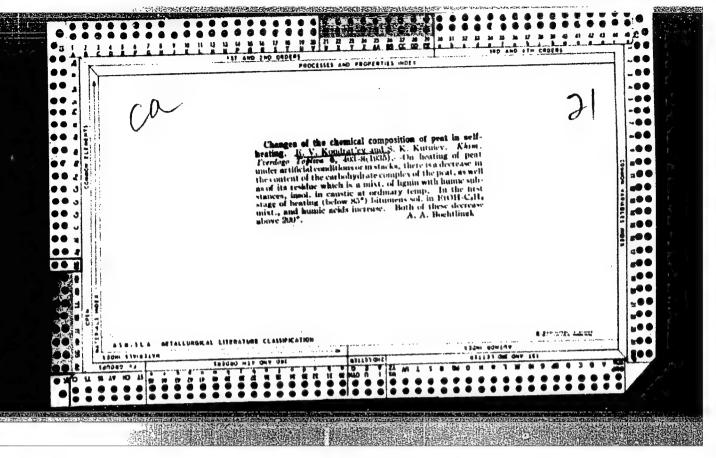
1. Volgogradskiy zavod "Krasnyy Oktyabr'" i Volgogradskiy sel'skokhozyaystvennyy institut.

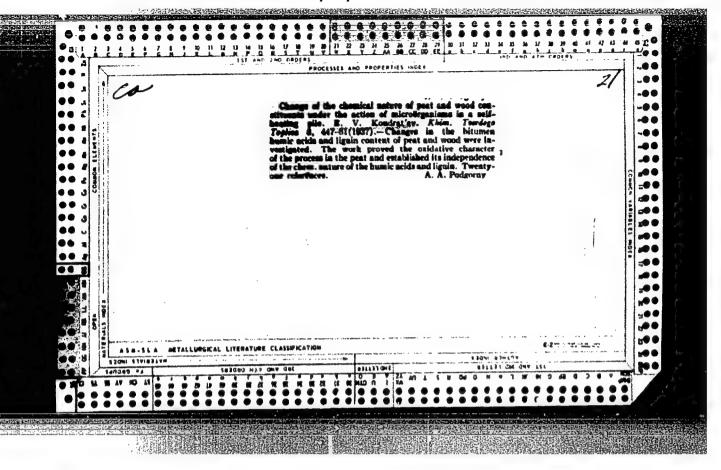


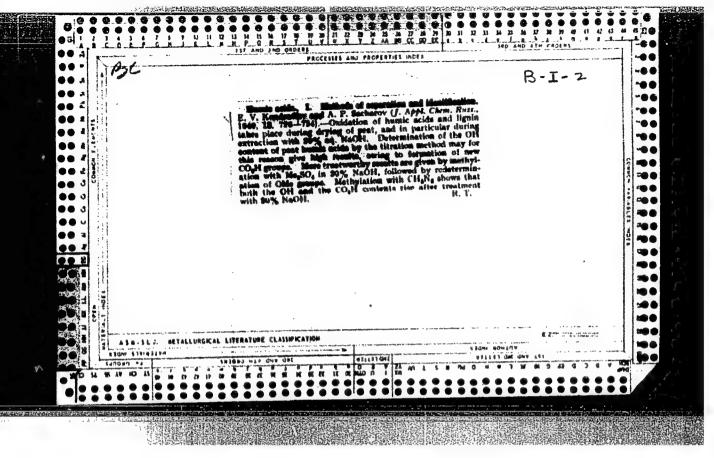


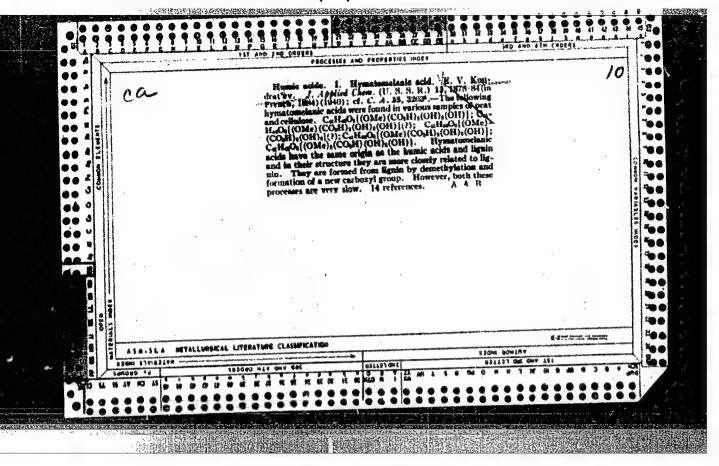


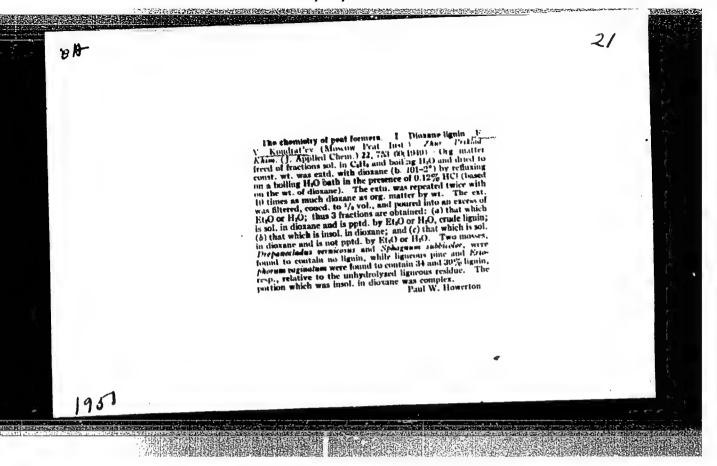




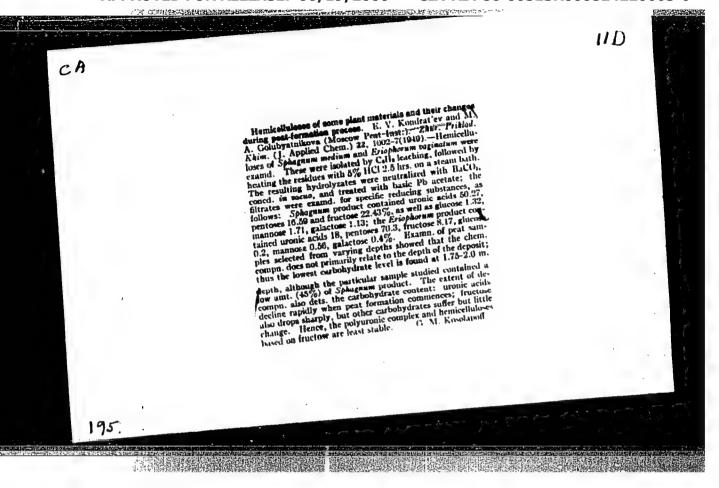


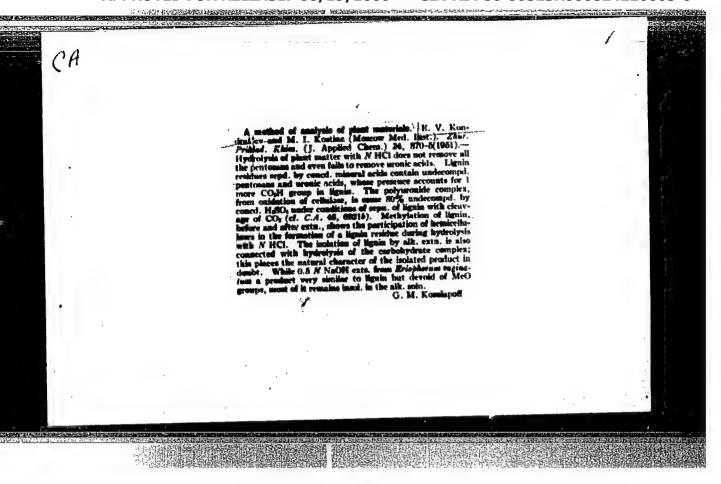






UBSER/Chemistry - Bryophytes, Oxidation Ang My Sphagnuss, Oxidation "Oxidation of Green Bryophyte and Sphagnuss Mith Hydrogen Feroxide," Te. V. Kondrat'yev, Chair of Gen Chem, Moscow Med Inst, My pp "Zhur Frik Khim" Vol XXII, No 8 Following the elimination of hemicellulose, a 15% solution of HgO2 at room temperature oxidizes almost all substances contained in the Drepanocladus wernicosus and sphagnum. Subbicolor to form missral concentrated acid liguin residues. The greater part of these products are soluble, and from them the products are soluble, and from them the products are obtained. The insoluble products which can be hydrolyzed by dilute HGI, contain reducing substances. Arcametic compounds are in swidences areng the products of oxidation. These results confirm data obtained by the dioxane method. Substited 5 Aug 48. 67/149763	KONDRAT'YEV, YE. V.			PA 6	7/49	T63	×=0.463331	
	67/ <i>lys</i> :63	- Bi	67/49763	wing the elimination of hemiceltion of H2O2 at room temperature all substances contained in the closus and sphagnum, subbicolor entrated acid lignin residues. of these products are soluble,	Vol XXII,	Yte and Sphagnums Mi Kondrat'yev, Chair Wg pp	- Bryophytes, Oxidation And Sphagnums, Oxidation	





KCMDRAT'YEV, Ye.V.; MOSTIMA, M.I.

Reproducing the process of pest formation under artificial conditions.

Soob.o nauch.rab.chl.VIHO no.1:26-31 '55. (MIRA 10:10)

(Pest)

WORAT YEV YEV. Y.

AID P - 3748

Subject

: USSR/Chemistry

Card 1/1

Pub. 152 - 12/22

Authors

Title

Kondrat'yev, Ye. V. and M. I. Kostina

: Disintegration of organic matter in plant material

under artificial conditions

Periodical

Zhur. prikl. khim. 28, 9, 982-988, 1955

Abstract

Formation of peat under experimental conditions resembling natural conditions has been studied by observing the transformation of various plants, (bushes, grass, and moss). Three tables, 2 diagrams, 3 references, all Russian (1934-1953).

Institution : Department of General Chemistry of the Moscow Steel

Institute im. I. V. Stalin

Submitted

: D 15, 1953

KONDRAT'YEV, Ye.V., prof.; FRIDENEERG, Ye.E., ass.

[Hydrolysis] Gidroliz; uchemoe posobie. 2. izd. Moskva, Mosk. in-t stali i splavov. 1962. 15 p.
(MIRA 16:11)

(Hydrolysis)

KC. DANT'YEV, Ye. Ye.

"Prognosis of Influenza Cutbreaks," Tr. In-ta Epidemiol Mikrobiol, i Gigiyeny im. Pastera i Tu-ta Ekoperim. Meditsiny Akad. Med. Mauk SUSA, 1959, 13, pp 175-182

In analyzing statistical data, the author noticed the regular cyclic nature of influenza outbreaks, a fact which makes it possible to predict the time when the next outbreak will occur. The cyclic nature of the epidemics is evidently dependent upon changes in the environment of the virus which occur in a specific order, and which are caused by the reactions of the macroorganism to seasonal variations and to the vital activities of the virus itself. This leads to profound changes in the antigen structure of the cause-tive organisms, and, in the opinion of the author, even the transformation of type A into type B, which explains the alteration of the types of virus in successive epidemics. (RZhBiol, No 5, 1955) SO: Sum.No. 713, 9 Nov 55

SOV/153-58-2-14/30 5(강) Smirnova, T. V., Dukel'skaya, N. M., Kondrat'yev, id. A. AUTHORS:

Synthesis of Some Physiologically Active Substances (Sintez TITLE:

nekotorykh fiziologicheski aktivnykh veshchestv)

Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i PERIODICAL: khimicheskaya tekhnologiya, 1958, Nr 2, pp 82-86 (USSR)

It is known from literature that compounds of the type RO-ABSTRACT:

where $R = CH_3$ -, C_2H_5 -, C_4H_9 -, C_3H_7 -, are physiologically active and exert an insecticidal effect (Ref 1). It was found that the introduction of such groups as OH and OR into the molecule of an organic compound provide this substance with physiological activity. For instance, if the -OH-group is introduced into the nucleus of an aromatic compound, this compound is often provided with a protoplasmatic effect; the introduction of -OR, on the other hand, increases the effect exercised by the resulting compound upon the nervous system. If a halogen atom is introduced into the molecule of an organic compound the physiological activity of the latter is multi-

plied, particularly in the case of fluorine introduction (Ref 3).

Card 1/3

Synthesis of Some Physiologically Active Substances SOV/153-58-2-14/30

The purpose of this paper was the synthesis of some physiclogically active compounds which are used for deratization. 6 halogen derivatives of phenyl ether were produced (Table 1). All these compounds were synthesized according to the same method (see experimental section). The halogen derivatives of phenols or the phenol itself were condensed with the corresponding 1,2-dihalide-ethane. In the laboratory of the faculty mentioned under "Association" the toxic properties of the synthesized phenyl-ethyl ether were tested. The most toxic compound was p-chloro-phenyl-\$-fluoroethyl-ether which was able to kill within 3-7 hours 100% of adult rats if administered perorally in a dosage of 0,005 ml. All of the 6 compounds listed possess a strong etheric odor which complicates their use in deratization. In order to overcome this difficulty, the synthesis of $p,p'-di(\beta-fluoro-ethoxy-pheny1)-dimethyl-methane$ was carried out. This is a solid odorless compound and has stood its test. Its lethal dosis for white rats is 120-140 mg/kg, for voles - 0,25 mg/100 g live weight. Thus it is valuable also in the destruction of rodents in the fields. There are 2 tables and 5 references, 3 of which are Soviet.

Card 2/3

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0"

Synthesis of Some Physiologically Active Substances

SOV/153-58-2-14/30

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut imeni D. I.

Mendeleyeva i Biologo-pochvennyy fakul'tet Moskovskogo

gosudarstvennogo universiteta imeni M. V. Lomonosova (Moscow Institute of Chemical Technology imeni D. I. Mendeleyev and Faculty of Biology and Soil-Science of the Moscow State Uni-

versity imeni M. V. Lomonosov)

SUBMITTED:

October 4, 1957

Card 3/3

CIA-RDP86-00513R000824220003-0" APPROVED FOR RELEASE: 06/19/2000

IVIN, S.Z.; KOHDRATIYEV, Yu.A.; SHELAKOVA, I.D.; ZAYSHLOVA, I.A.; GUBENKO, I.I.

Reactivity of ethylenamide-O-alkylmethyl phosphinates and thio phosphinates. Zhur. ob. khim. 35 no.7:1218-1220 Jl '65.

(MIRA 18:8)

KONDRATITET, G.T., KONDRATITET, Yu.G.

Spersopollen spectra from Middle Jurassic sediments in the Zeryanovsk trough. Geol. i geofiz. no.4:157-159 '65. (MIRA 18:8)

1. Krusnoyarskoye geologicheskoye upravleniye.

Card 1/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000824220003-0

ACC NR: AT6036464

was tested. Weight, external appearance, behavior, and appetite were observed. Assimilation of basic substances, the nitrogen balance, the composition of hemoglobin and erothrocytes in the blood, and certain biochemical indices were determined.

Pathological examination of the animals was performed and individual internal organs were weighed. In experiments where unicellular algae were used as the source of protein, the average duration of viability was 5.5 months. When animals were fed only the biomass of the algae, they lived only about one month. Death results from malnutrition. Experiments showed that greatest nutritional value was provided when the biomass of unicellular algae was augmented by an increased amount of cysteine. The least value was provided by biomass of yeasts. The nutritional value of the purified biomass of microbacteria was higher than that of the unpurified biomass. [V.A. No. 22; ATD Report 66-116]

SUE CODE: 06 / SUBM DATE: 00May66

Card 2/2

ABAKUMOVA, I.A.; AKV'EBININSKIY, K.S.; EYCHKOV, V.P.; DEMOCHKINA, N.G.;
KOMDRAT'YEV. Yu.I.; USHAKOV, A.S.

Some data on a group of animals in a closed ecologic system.
Probl. kosm. biol. 4:107-113 '65.

(MIRA 18:9)

JXT(CZ)/GD/RD L 45964-66 UR/0000/66/000/000/0023/0028 SOURCE CODE: ACC NR: AT6030694 AUTHOR: Bychkov, V. P.; Boyko, N. N.; Kasatkina, A. G.; Kondrat'yev, Yu. T. Ushakov, A. S. ORG: none TITLE: The possibility of using dehydrated products in cosmonaut diets SOURCE: Konferentsiya po kosmicheskoy biologii i meditsine, 1964. Materialy. MOSCOV Inst. mediko-biol. problem, 1966, 23-28 space biology, space food, human physiology, nutrition, biologic TOPIC TACS: metabolism ABSTRACT: Experiments were conducted to study the effects of dehydrated food rations on human metabolism. Freeze-dried and heat-dried food products were used to make up three different rations, with caloric values from 2117 to 2974 kcal. The food was eaten dry, but could be washed down with unlimited amounts of water. Among the foods used were freeze-dried meat products (pork and beef sausage, beef roll, ham and smoked pork), dried milk products (a 5:5:11:1 mixture of cream, walnuts, milk, and sugar, and a 5:5:1 mixture of pot cheese, cream, and sugar), and candy and (vitaminized caramels, lemon drops, etc). Biomedical monitoring of pastry, the six healthy subjects was conducted throughout the experiment, and each subject kept a medical journal. In the first test, laboratory workers were fed normally Card 1/3

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ACC NR: AT6030694

for 10 days, and then for 20 days ate equivalent amounts of the same foods, dried, (Ration No. 1, see Table 1) while performing their normal tasks. In the second test

Table 1. Weight, chemical composition, and caloric value of food rations

Number of ration	Weight in	Moisture in g	Protein in g	Fat in g	Carbohydrate in g	Ash in g	Caloric value in kcal	
1 2 3	609 638 615	43.4 34.4 51.6		93.2 111.4 106.6	339.0 354.7 326.1	21.1 19.40 22.90	2117 2974 2770	

one subject was fed Ration No. 2 and water regenerated from urine for 35 days. He remained in a small chamber (7 m³), where normal atmospheric and microclimatic conditions were maintained; his day was divided into sleep (8 hr), exercise (35—40 min), meals (three per day), and drafting work and reading (specially selected literature). In the third test two subjects stayed in a similar chamber for 33 days, during which time they were fed Ration No. 3 for 22 days and normal food in the 11 days before and after. One received water regenerated from urine and the other distilled water. The system of biosensors was also tested in this experiment. In addition to sleep and exercise periods (8 hr and 35—40 min, respectively), and meals, the subjects' time was occupied in recording physiological functions using the sensors.

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